Homework 44H Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Isosceles and Equilateral Triangles Period: \_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_

**Failure to show all work and write in complete sentences will result in LaSalle**

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| 1) Find the value of x and y. | 2) Find the value of x, y and z. | | | 3) Find the perimeter of the triangle. |
| 4) Decide whether enough information is given to prove that the triangles are congruent. | | | 5) Decide whether enough information is given to prove that the triangles are congruent. | |
| 6) | |  | | |

|  |  |
| --- | --- |
| 7) |  |
| 8) |  |
| 9)  Given: In figure  Prove: ST  UQ |  |
| 10) Use the given coordinates to determine if Δ*ABC* ≅ Δ*DEF.*  *A*(1, 1), *B*(–4, 2), *C*(–2, –4), *D*(4, –2), *E*(9, –3), *F*(8, 3) | 11)Use the given coordinates to determine if Δ*ABC* ≅ Δ*DEF.*  *A*(–3, 2), *B*(6, 1), *C*(–3, 4), *D*(6, 5), *E*(–2, 4), *F*(–1, –7) |